

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 08/823,980G
Source: FW/6
Date Processed by STIC: 12/14/06

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 12/14/2006

PATENT APPLICATION: US/08/823,980G

TIME: 14:28:06

Input Set : A:\2300-0938_seq.ST25.txt

Output Set: N:\CRF4\12142006\H823980G.raw

3 <110> APPLICANT: Weiner, Amy J
 4 Houghton, Michael
 6 <120> TITLE OF INVENTION: Conserved Motif of Hepatitis C Virus E2/NS1 Region
 8 <130> FILE REFERENCE: PP000938.0105
 10 <140> CURRENT APPLICATION NUMBER: 08/823,980G
 11 <141> CURRENT FILING DATE: 1997-03-25
 13 <150> PRIOR APPLICATION NUMBER: 08/757,958
 14 <151> PRIOR FILING DATE: 1996-11-25
 16 <150> PRIOR APPLICATION NUMBER: 08/061,699
 17 <151> PRIOR FILING DATE: 1993-05-12
 19 <160> NUMBER OF SEQ ID NOS: 134
 21 <170> SOFTWARE: PatentIn version 3.3
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 6
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Hepatitis C virus
 29 <220> FEATURE:
 30 <221> NAME/KEY: VARIANT
 31 <222> LOCATION: (1)..(1)
 32 <223> OTHER INFORMATION: Represents Ala, Arg, Asp, Gly, Lys, Ser, or Thr.
 34 <220> FEATURE:
 35 <221> NAME/KEY: VARIANT
 36 <222> LOCATION: (2)..(2)
 37 <223> OTHER INFORMATION: Represents Ile, Leu, Met, Phe, or Trp.
 39 <220> FEATURE:
 40 <221> NAME/KEY: VARIANT
 41 <222> LOCATION: (3)..(3)
 42 <223> OTHER INFORMATION: Represents Leu or Phe.
 44 <220> FEATURE:
 45 <221> NAME/KEY: misc_feature
 46 <222> LOCATION: (4)..(5)
 47 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
 49 <220> FEATURE:
 50 <221> NAME/KEY: VARIANT
 51 <222> LOCATION: (6)..(6)
 52 <223> OTHER INFORMATION: Represents Ala or Gly.
 54 <400> SEQUENCE: 1
 W--> 56 Xaa Xaa Xaa Xaa Xaa Xaa
 57 1 5
 60 <210> SEQ ID NO: 2
 61 <211> LENGTH: 32
 62 <212> TYPE: PRT
 63 <213> ORGANISM: Hepatitis C virus

see p. 6

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66 <220> FEATURE:
67 <221> NAME/KEY: MOD_RES
68 <222> LOCATION: (1)..(1)
69 <223> OTHER INFORMATION: 2,3-diaminopropionic (Dpr) acetyl cysteine
71 <220> FEATURE:
72 <221> NAME/KEY: MOD_RES
73 <222> LOCATION: (2)..(2)
74 <223> OTHER INFORMATION: 2-amino heptanoic (Ahe) butyl alanine
76 <400> SEQUENCE: 2
W--> 78 Xaa Xaa Glu Thr His Val Thr Gly Gly Ser Ala Gly His Thr Val Ser
79 1 5 10 15
82 Gly Phe Val Ser Leu Leu Ala Pro Gly Ala Lys Gln Asn Val Gln Leu
83 20 25 30
86 <210> SEQ ID NO: 3
87 <211> LENGTH: 5
88 <212> TYPE: PRT
89 <213> ORGANISM: Hepatitis C virus
91 <400> SEQUENCE: 3
93 Val Ser Leu Leu Ala
94 1 5
97 <210> SEQ ID NO: 4
98 <211> LENGTH: 7
99 <212> TYPE: PRT
100 <213> ORGANISM: Hepatitis C virus
102 <400> SEQUENCE: 4
104 Ser Leu Leu Ala Pro Gly Ala
105 1 5
108 <210> SEQ ID NO: 5
109 <211> LENGTH: 5
110 <212> TYPE: PRT
111 <213> ORGANISM: Hepatitis C virus
113 <400> SEQUENCE: 5
115 Leu Ala Pro Gly Ala
116 1 5
119 <210> SEQ ID NO: 6
120 <211> LENGTH: 7
121 <212> TYPE: PRT
122 <213> ORGANISM: Hepatitis C virus
125 <220> FEATURE:
126 <221> NAME/KEY: misc_feature
127 <222> LOCATION: (4)..(5)
128 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
130 <220> FEATURE:
131 <221> NAME/KEY: VARIANT
132 <222> LOCATION: (7)..(7)
133 <223> OTHER INFORMATION: Represents Ala, Pro, or Ser.
135 <400> SEQUENCE: 6
W--> 137 Ser Leu Leu Xaa Xaa Gly Xaa
138 1 5

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141 <210> SEQ ID NO: 7
142 <211> LENGTH: 7
143 <212> TYPE: PRT
144 <213> ORGANISM: Hepatitis C virus
147 <220> FEATURE:
148 <221> NAME/KEY: misc_feature
149 <222> LOCATION: (4)..(5)
150 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
152 <220> FEATURE:
153 <221> NAME/KEY: VARIANT
154 <222> LOCATION: (7)..(7)
155 <223> OTHER INFORMATION: Represents Ala, Pro, or Ser.
157 <400> SEQUENCE: 7
W--> 159 Ser Leu Phe Xaa Xaa Gly Xaa
160 1 5
163 <210> SEQ ID NO: 8
164 <211> LENGTH: 31
165 <212> TYPE: PRT
166 <213> ORGANISM: Hepatitis C virus
169 <220> FEATURE:
170 <221> NAME/KEY: misc_feature
171 <222> LOCATION: (1)..(1)
172 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
174 <220> FEATURE:
175 <221> NAME/KEY: misc_feature
176 <222> LOCATION: (3)..(3)
177 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
179 <220> FEATURE:
180 <221> NAME/KEY: misc_feature
181 <222> LOCATION: (8)..(8)
182 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
184 <220> FEATURE:
185 <221> NAME/KEY: misc_feature
186 <222> LOCATION: (14)..(14)
187 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
189 <220> FEATURE:
190 <221> NAME/KEY: misc_feature
191 <222> LOCATION: (16)..(17)
192 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
194 <220> FEATURE:
195 <221> NAME/KEY: misc_feature
196 <222> LOCATION: (21)..(22)
197 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
199 <220> FEATURE:
200 <221> NAME/KEY: misc_feature
201 <222> LOCATION: (24)..(24)
202 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
204 <220> FEATURE:
205 <221> NAME/KEY: misc_feature

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206 <222> LOCATION: (27)..(27) /
207 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
209 <400> SEQUENCE: 8
W--> 211 Xaa Thr Xaa Val Thr Gly Gly Xaa Ala Ala Arg Thr Thr Xaa Gly Xaa
      212 1 5 10 15
W--> 215 Xaa Ser Leu Phe Xaa Xaa Gly Xaa Ser Gln Xaa Ile Gln Leu Ile
      216 20 25 30
219 <210> SEQ ID NO: 9
220 <211> LENGTH: 31
221 <212> TYPE: PRT
222 <213> ORGANISM: Hepatitis C virus
224 <400> SEQUENCE: 9
226 Ala Thr Tyr Ala Thr Gly Ala Ala Gln Gly His Ala Thr Asn Ser Phe
227 1 5 10 15
230 Val Ser Leu Phe Arg Ser Gly Ala Ser Gln Asn Leu Lys Leu Val
231 20 25 30
234 <210> SEQ ID NO: 10
235 <211> LENGTH: 31
236 <212> TYPE: PRT
237 <213> ORGANISM: Hepatitis C virus
239 <400> SEQUENCE: 10
241 Ser Thr Gln Val Thr Gly Gly Gln Ala Ala His Thr Val Arg Gly Val
242 1 5 10 15
245 Ala Ser Ile Phe Ser Pro Gly Ser Arg Gln Asp Ile Ser Leu Ile
246 20 25 30
249 <210> SEQ ID NO: 11
250 <211> LENGTH: 31
251 <212> TYPE: PRT
252 <213> ORGANISM: Hepatitis C virus
254 <400> SEQUENCE: 11
256 Ser Thr Arg Val Thr Gly Gly Gln Gln Gly Arg Ala Val His Gly Ile
257 1 5 10 15
260 Ala Ser Leu Phe Ser Leu Gly Ala Ser Gln Lys Ile Gln Leu Val
261 20 25 30
264 <210> SEQ ID NO: 12
265 <211> LENGTH: 31
266 <212> TYPE: PRT
267 <213> ORGANISM: Hepatitis C virus
269 <400> SEQUENCE: 12
271 Ser Thr His Val Met Gly Ala Gln Gln Gly Arg Val Ala Lys Gly Phe
272 1 5 10 15
275 Thr Ser Leu Phe Gly Pro Gly Pro Ala Gln Lys Ile Gly Leu Ile
276 20 25 30
279 <210> SEQ ID NO: 13
280 <211> LENGTH: 31
281 <212> TYPE: PRT
282 <213> ORGANISM: Hepatitis C virus
284 <400> SEQUENCE: 13
286 Ser Thr His Val Thr Gly Ala Val Gln Gly His Ser Ile Arg Gly Leu

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287 1           5           10           15
290 Thr Ser Leu Phe Thr Ser Gly Pro Ala Gln Lys Ile Gln Leu Val
291           20           25           30
294 <210> SEQ ID NO: 14
295 <211> LENGTH: 31
296 <212> TYPE: PRT
297 <213> ORGANISM: Hepatitis C virus
299 <400> SEQUENCE: 14
301 Glu Thr His Val Thr Gly Gly Ile Ala Ala Lys Thr Thr Ala Ser Leu
302 1           5           10           15
305 Thr Gly Leu Phe Asn Leu Gly Ala Lys Gln Asn Ile Gln Leu Ile
306           20           25           30
309 <210> SEQ ID NO: 15
310 <211> LENGTH: 31
311 <212> TYPE: PRT
312 <213> ORGANISM: Hepatitis C virus
314 <400> SEQUENCE: 15
316 Glu Thr His Val Thr Gly Gly Asn Ala Gly Arg Ala Ala Ala Gly Ile
317 1           5           10           15
320 Ala Gly Leu Phe Thr Leu Gly Ala Lys Gln Asn Val Gln Leu Ile
321           20           25           30
324 <210> SEQ ID NO: 16
325 <211> LENGTH: 31
326 <212> TYPE: PRT
327 <213> ORGANISM: Hepatitis C virus
329 <400> SEQUENCE: 16
331 Gln Thr Arg Val Thr Gly Gly Thr Ala Ala Gln Ser Thr Ala Arg Ile
332 1           5           10           15
335 Ala Gly Leu Phe Ser Leu Gly Ala Arg Gln Asn Ile Gln Leu Ile
336           20           25           30
339 <210> SEQ ID NO: 17
340 <211> LENGTH: 31
341 <212> TYPE: PRT
342 <213> ORGANISM: Hepatitis C virus
344 <400> SEQUENCE: 17
346 Gln Thr His Val Met Gly Gly Thr Ala Gly Arg Asn Ala Tyr Gly Leu
347 1           5           10           15
350 Thr Ser Phe Leu Ser Val Gly Ala Ser Gln Lys Ile Gln Leu Ile
351           20           25           30
354 <210> SEQ ID NO: 18
355 <211> LENGTH: 31
356 <212> TYPE: PRT
357 <213> ORGANISM: Hepatitis C virus
359 <400> SEQUENCE: 18
361 Glu Thr His Val Met Gly Gly Ala Ala Ser Ser Thr Thr Tyr Arg Phe
362 1           5           10           15
365 Ala Ser Leu Phe Thr Ser Gly Pro Ala Gln Lys Ile Gln Leu Val
366           20           25           30
369 <210> SEQ ID NO: 19

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/08/823,980G

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FYI

Input Set : A:\2300-0938_seq.ST25.txt
Output Set: N:\CRF4\12142006\H823980G.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. ~~1,2,3,4,5,6~~

Seq#:2; Xaa Pos. ~~1,2~~

Seq#:6; Xaa Pos. ~~4,5,7~~

Seq#:7; Xaa Pos. ~~4,5,7~~

Seq#:8; Xaa Pos. ~~1,3,8,14,16,17,21,22,24,27~~

Seq#:133; Xaa Pos. 1

Seq#:134; Xaa Pos. 4,5

VERIFICATION SUMMARY

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Input Set : A:\2300-0938_seq.ST25.txt

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L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:16
L:2092 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:133 after pos.:0
L:2113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:0